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§ 130. **Note on *Salicornia*.**—As my observations of *Salicornia herbacea*, L., and *Salicornia mucronata*, Lag., differ so materially from the descriptions given in Wood's Class Book of 1867, the only botanical work to which I have access, I will, although but an amateur botanist at most, endeavor to make a few remarks thereon. Instead of the *herbacea* flowering in August and the *mucronata* in September, as stated in the foregoing work, I find the *mucronata* now (August 8th) in full bloom, while the *herbacea* perhaps will not blossom till September. Instead, also, of the *mucronata* turning red, as stated in the above-named work, (while no such thing is mentioned of the *herbacea*), I found about the 25th of September last that the spikes of the *herbacea* were generally of a deep red color throughout, while the *mucronata* was tinged but slightly, or sometimes not at all. Instead, also, of Long Island being the southern limit of the *mucronata*, as stated by Wood, I find it growing in this county as mentioned in my communication in the BULLETIN of June last.

Messongo, Accomac Co., Va.

ELLIS MEARS.

§ 131. **New New York City Stations.**—An hour's exploration of Croton Point on the Hudson River, in company with Dr. A. K. Fisher, on July 24th last, revealed the following interesting plants, most of which give a rather southern character to the flora:

Anemone cylindrica, Gray. A group of fruiting plants growing in sandy soil near the shore. Heretofore there seems to have been no authentic record of the occurrence of this plant within the limits of the Torrey Club Catalogue;

Tephrosia Virginica, Pers.; *Lupinus perennis*, L.; *Cornus circinata*, L'Her.; *Eupatorium sessilifolium*, L.;

Verbena angustifolia, Mx. I do not think that this plant has before been reported within the limits of our Catalogue north of New York City, but it was found at several places on Croton Point. I found a single plant in July at the locality, near King's Bridge, discovered several years ago by Mr. Leggett;

Teucrium Canadense, L.; *Onosmodium Virginianum*, DC., a single plant; *Pycnanthemum clinopodioides*, T. & G., a narrow-leaved form, seeming to approach *P. Torreyi*, Benth.; *P. linifolium*, Pursh.; *Asclepias obtusifolia*, Mx.; *A. verticillata*, L.; *Salsola Kali*, L.; *Cyperipedium acaule*, Ait.; *Zizania aquatica*, L., abundant and conspicuous near the shore; *Tricuspis seslerioides*, Torr.; and specimens also of *Solidago arguta* were found in full flower at this date.

E. P. BICKNELL.

§ 132. **Botanical Literature.**—*The Botanical Collector's Handbook*. By W. Whitman Bailey, B.P., Olney Professor of Natural History (Botany) in Brown University, pp. 140. George A. Bates, Salem, Mass.—This work, of which we gave a prospectus in our March number, has at length made its appearance, forming No. 3 of the neat and useful publications which are from time to time being issued by Mr. Geo. A. Bates, under the title of "Naturalists' Handy Series."

That the "want of a manual," to use the author's words, "such

as exists in other countries for the guidance of botanical collectors and amateurs, has long been felt in our own," was well shown by the large number of orders which, we are informed, were received for the Handbook, from all sections of the country, months previous to its publication. After a careful perusal of the work, we take pleasure in stating that it fills the long-existing hiatus in our botanical literature in a manner which reflects great credit on both its author and its publisher, and in a manner, too, which cannot prove otherwise than satisfactory to the large number who will have occasion to consult its pages for their guidance.

In writing the Handbook, Prof. Bailey has not relied entirely upon his own long experience as a collector, but has sought and obtained the aid of other workers who are prominently known in their several specialties. For example, Mr. Charles Wright has contributed an article on the preparation of *Cactaceae*, etc.; Mr. Thos. P. James has furnished directions for the collection and preservation of mosses; Prof. Edw. Tuckerman has given the result of his experience in the preparation of lichens; Rev. Francis Wolle has furnished notes on the collection and preservation of fresh-water algae; and Mr. Chas. H. Peck has contributed an entire chapter on the subject of collecting, preparing and mounting fungi, while instructions for gathering and mounting marine algae have been gleaned by the author from the writings of Profs. Eaton, Harvey and others. The notes of these various collaborators, along with those of the author on herborizing, fill the first three chapters of the book, the remaining ones being devoted to the subjects of: 'Closet-Work;' 'The Herbarium;' 'Bibliography;' and 'Public Herbaria.'

The book is well written throughout; the directions are plainly and concisely expressed; the copious illustrations are well executed; and the work, while it should find a place in the library of every working botanist, must prove especially valuable to that large class of beginners and amateurs who have hitherto been seeking in the dark for just such instruction as is here given within so small a compass and at so low a price.

Nova Scotian Fungi by J. Somers, M.D. In this pamphlet, kindly sent us by the author, are enumerated the names of 81 species of fungi collected during the year 1880 in the vicinity of Halifax. This list is a continuation of an enumeration published in Vol. v of the Transactions of the Nova Scotia Institute of Natural Science.

Catalogue of the Phaenogamous and Vascular Cryptogamous Plants of Indiana. By the Editors of the *Botanical Gazette* and Prof. Charles R. Barnes. 8vo. pamph. pp. 38. Crawfordsville, Ind.—The completion of this catalogue, which has been issued during the year in the form of extra sheets to the *Botanical Gazette*, gives us the most perfect enumeration of Indiana plants (exclusive of other than the vascular cryptogams), that has ever been published. The number of species enumerated is 1,432, which embraces only those plants whose occurrence the authors were able to authenticate by specimens, it having been the very commendable plan, rigidly adhered to from the outset, to admit the name of no species on hearsay. The catalogue is preceded by an account of the botani-

cal and topographical features of the State, and by a very convenient outline map showing the location of the counties.

Trimen's *Journal of Botany*, for October, contains the following articles: 'On the Natural Order *Taccaceae*,' by H. F. Hance; 'On *Erythraea capitata*. Willd., var. *sphaerocephala*,' by F. Townsend; 'On the Production of Hybrids in the Genus *Epilobium*,' by R. A. Briggs.

§ 133. **Proceedings of the Torrey Club.**—The regular monthly meeting of the Club was held Tuesday evening, Oct. 11th, at the Herbarium, Columbia College, the President in the chair and twenty members and two visitors present.

Plants Exhibited.—Mr. Leggett presented specimens of *Tsuga Caroliniana*, Englem., from the Carolina Mountains (Caesar's Head, Greenville Co., S. C.), sent by Capt. J. Donnell Smith, and spineless leaves of *Ilex opaca*, Ait., from South Carolina. Dr. Newberry exhibited a beautiful collection of Western plants collected by him on a recent trip through Colorado and Idaho, and also remarked upon the characteristics of the Western Coniferae. Mr. Gerard exhibited a specimen of *Richardia Aethiopica*, the spadix of which was subtended by three spathes; sent by Miss Palmer from Louisville, Ky. Prof. Schrenk showed specimens of plants collected by him in New Hampshire during the summer, and placed them at the disposal of the members present.

Hybrid Oaks.—Mr. Britton remarked upon some singular forms of hybrid oaks found by Mr. Rudkin and himself growing in abundance at Keyport, N. J., and which are now under investigation with a view of determining, if possible, the parent species. A series of leaf specimens was shown exhibiting various transitional forms, apparently between *Quercus Phellos*, L., and *Q. nigra*, L.

Serratula tinctoria.—Specimens of this adventive plant, which has become pretty well established in a few places on Staten Island, were sent by Mr. Wright from West Brighton, for the Club's inspection.

Polyphyly.—Mr. Bicknell reported the detection by him this season of a plant of *Asclepias Cornuti*, Decaisne, having its leaves in whorls of three, and also of a plant of *Silphium perfoliatum*, L., with leaves in whorls of three and with a 6-angled stem. Mr. Britton remarked that he had observed precisely the same change this year in specimens *Eupatorium teucrifolium*, Willd.

Suppression of Leaflets in Carya.—Mr. Britton showed leaf specimens of a trifoliate form of *Carya porcina*, Nutt., detected in New Jersey, and stated that all the leaves on the tree whence these were taken exhibited the same suppression of the usually two or four additional leaflets.

New Stations.—Mr. Bicknell read a list of new stations for plants belonging to the City's flora. Mr. Rudkin gave White Mills, New Lots, Queens County, as a station for *Tripsacum dactyloides*, L., a plant not reported as belonging to the State flora, and exhibited specimens gathered at that locality.

One person was elected an active member, and two names were proposed for membership.